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PUBLIC INFORMATION STATEMENT

NATIONAL WEATHER SERVICE **KANSAS CITY/PLEASANT HILL MO**

1105 AM CDT TUE JUL 12 2005

. . . FISCHER-PORTER UPGRADE (FPU) NOW IMPLEMENTED AT COOPERATIVE STATION, **RICHMOND 3S, MISSOURI, ON JULY 9, 2005.**

THIS EQUIPMENT MODIFICATION WILL ONLY CHANGE THE WAY THE PRECIPITATAION MEASUREMENT IS TAKEN. THERE WILL BE NO CHANGE IN THE QUALITY OR THE TIMELINESS OF THIS STATION'S HOURLY PRECIPITATION DATA (HPD). DATA WILL BE REPORTED IN THE USUAL MONTHLY CLIMATE PUBLICATIONS, ONLY.

THERE ARE A TOTAL OF **13** COOPERATIVE STATIONS TO CONVERT TO FPU IN THE WFO **KANSAS CITY-PLEASANT HILL** COUNTY WARNING AREA (CWA). THESE STATIONS WILL BE UPGRADED ON THE MONTHS INDICATED IN THE IMPLEMENT DATE COLUMN.

COOP STATION NAME	COOP STN ID	IMPLEMENT DATE	DATA AVAIL DATE
HILLSDALE LAKE	14-3686	APR 2005	AUG 2005
STANLEY 3S	14-7756	SEP 2005	JAN 2006
GLADSTONE	23-3219	MAY 2005	SEP 2005
ELM	23-2568	JUN 2005	OCT 2005
KIRKSVILLE	23-4544	AUG 2005	DEC 2005
LONGBRANCH RESERVOIR	23-5050	DATE TBD	DATE TBD
MOBERLY	23-5671	AUG 2005	DEC 2005
NEW FRANKLIN 1W	23-6012	SEP 2005	JAN 2006
RICHMOND 3S	23-7116	JUL 2005	NOV 2005
SMITHVILLE LAKE	23-7862	JUN 2005	OCT 2005
SWEET SPRINGS	23-8223	DATE TBD	DATE TBD
UNITY VILLAGE	23-8524	MAY 2005	SEP 2005
WARRENSBURG 4NW	23-8712	AUG 2005	DEC 2005

THE NEW FPU DATA WILL BE PUBLISHED BY THE NATIONAL CLIMATE DATA CENTER (NCDC) IN THE HOURLY PRECIPITATION DATA (HPD) PRODUCT NO EARLIER THAN THE DATA AVAILABILITY DATE LISTED ABOVE.

INFORMATION ON THE HPD PRODUCT IS AVAILABLE FROM NCDC ON THEIR WEBSITE:

[HTTP://OCCLUDED.NCDC.NOAA.GOV/SERIALPUBLICATIONS/](http://occluded.ncdc.noaa.gov/serialpublications/) NOTE: FOR THE WORDS. . .

SERIALPUBLICATIONS. . . TYPE IT ALL WITH LOWER CASE LETTERS EXCEPT USE UPPER CASE ONLY FOR THE INITIAL LETTERS S AND P.

IF YOU HAVE ANY QUESTIONS CONCERNING THE IMPLEMENTATION OF THE FISCHER-PORTER UPGRADE, AT **RICHMOND 3S, MISSOURI**, PLEASE CONTACT:

MARK MITCHELL

NWS/WFO-EAX...OBSERVING PROGRAM MANAGER (OPL)

KANSAS CITY/PLEASANT HILL, MISSOURI

PHONE: 816 540 5147 X999; OR 816 540 5147 X999;

EMAIL: MARK.MITCHELL@NOAA.GOV; OR LYNN.MAXIMUK@NOAA.GOV

THIS AND OTHER NWS PUBLIC INFORMATION STATEMENTS ARE AVAILABLE ONLINE AT /USE LOWER CASE LETTERS/:

[HTTP://WWW.NWS.NOAA.GOV/OM/NOTIF.HTM](http://WWW.NWS.NOAA.GOV/OM/NOTIF.HTM)

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Fischer-Porter Upgrade Implementation Notification Requirement

The following information should serve as a guide for the WFO who deploys Fischer Porter Upgrade (FPU) recording rain gauges. Transmission of the PNS message (see revised version, above) for each FPU site fulfills the NWS Operational Implementation Checklist, Part B, Item 4.4, titled, 'Installation Notification' (see table below).

Each NWSREP should review the revised PNS template (above) as it instructs the public how to properly type the NCDC web-address 'Serial Publications' with lower case letters. Remember to arrange your cooperative sites in order of planned deployment giving the month of estimated equipment delivery. Ask your Regional Manager for an updated spreadsheet of the valid sites designated for FPU modification.

Then, coordinate with your MIC a planned schedule with Implementation Dates associated to each designated site. Valid months for the designated sites range from APRIL 2005 through DECEMBER 2005. Simply identify the month each designated site will go operational - not necessarily the month the FPU was installed, if the unit was installed on May 31st and June 1st was first full-day of the data was operationally logged, then state June 2005 in the PNS template.

After coordination with the MIC, and by five (5) calendar days after FPU data logger was powered-on, each NWSREP should have updated his PNS template for the station-unique information on this particular FPU installation. Double-check and ensure that you have entered the proper COOP Station Name (i.e., FPU Site) and the Month/Day/Year (e.g., July 9, 2005) when the FPU began logging.

Also, in the day or two prior to transmitting the PNS, the NWSREP shall complete Section 4.3 of the Installation Checklist – Part B (below) and validate the FPU as operationally logging data.

Finally, you must use your CSSA to modify the COOP Station Description Form B-44, no later than 2 weeks after the start of data logging to replace the old F&P serial number with the short four-digit serial number of the FPU Data Logger. It is located on a decal affixed to the base plate in front of the data key receptacle. Also, in the 'Equipment Description' field delete the old F&P model/modification numbers, and replace them with this text "CALIBRATION: A = 0, B = xxxx.xxxx, C = - x.xxxx . In place of the 'xxxx.xxxx' use the coefficient numbers you noted at time you assembled the FPU in your office.

Phone the Observing Services Division (W-OS7), Tom Trunk on 301-713-0722 x194, if you have any questions on how to enter the new metadata to the B-44.

The task of transmitting the properly updated PNS message satisfies Item 4.4, A, in the table below, Operational Implementation (OI) Checklist - Part B.

Cooperative Observer Program Planned Product Improvement OI Check List – Part B			
Planned Product Improvement: <u>Fischer-Porter Upgrade</u>			
Location (SID, Name, State): _____			
Office Completing this Check List: _____			Date: _____
Item #	Item Description	OPR	Completion Date
3.4 Pre-OI Operational Support Activities			
B.	Conduct Local operator/maintenance Training	WFO	
4.3 OI Installation Activities			
A.	Download files for archive	WFO	N/A
B.	Perform installation and checkout in accordance with MOD NOTE	WFO	
4.4 OI Monitoring and Coordination Activities			
A.	Installation Notification	WFO	
B1.	Begin routine maintenance monitoring and documentation	WFO	
B2.	Begin 30-day monitoring and coordination	WFO	
5.0 Post OI Activities			
A.	Operational Quality Control: Monitor ongoing meteorological performance	WFO	
B2.	Submit WS Form B-44 to NCDC	WFO	
B5	Enter data in CSSA	WFO	
C.	Dispose of old equipment in accordance with installation instructions.	WFO	

RESOURCES:

Notification Message Policy:

Both the MIC and NWSREP should be familiar with *Local or Regional Service and Technical Changes* NDS 10-1805, Section 2.1; <http://www.nws.noaa.gov/directives/010/pd01018005a.pdf>
"Procedures for changing local or regional products are determined by the appropriate Regional Headquarters. The changes are announced via a local PNS transmitted by the appropriate offices, as specified in the following instructions:

- o NWSI 10-501, "WFO Statements, Summaries, Tables Products Specification", and*
- o NWSI 10-1701, "Test Product Formats and Codes"*

The format and style of the PNS should be similar to those of the national service and technical change messages described in this NDS 10-1805. Local and regional changes will be coordinated through the appropriate NWS Headquarters program managers (OPS22 and OS7), so they can be aware of the activities."

FPU System Assembly Policy:

For a reference on FPU systems, access <http://www.nws.noaa.gov/ops2/Surface/documents> and click-on '**FPU_Beta_Procedural.pdf**' in the list and call-up the *FPU_Beta_Procedural*. and turn to pages 58-61, where the subject of Cooperative Station Service Accountability (CSSA) metadata record keeping is addressed.